

Please Type a plus sign (+) inside this box →



Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: US DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	133428

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	6,640,647	B1	Hong et al.	11-04-2003	
	AB	6,636,041	B2	Arz et al.	10-21-2003	
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					
	AN					
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	FA							
	FB							
	FC							
	FD							
	FE							
	FF							
	FG							

Examiner Signature	Date Considered:
--------------------	------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See Attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WSIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please Type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: US DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number		
			Filing Date	December 11, 2003	
			First Named Inventor	Veera Palanivelu Rajendran	
			Group Art Unit		
			Examiner Name		
Sheet	2	of	2	Attorney Docket Number	133428

OTHER PRIOR ART - - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the items (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	CA	MARK WIPPICH and KATHY LI DESSAU, "Tunable Lasers and Fiber-Bragg-Grating Sensors," <i>The Industrial Physicist</i> , pp. 24-27 (June/July 2003).		
	CB	A. FERNANDEZ FERNANDEZ, H. OTTEVAERE, C. VAN IERSCHOT, K. PANAJATOV, F. BERGHMANS and H. THIENPONT, "Multi-parameter Force Sensing with Fiber Bragg Grating Sensors," Proceedings Symposium IEEE/LEOS, Benelux Chapter, Amsterdam (2002).		
	CC	XIAO CHUN LI, FRITZ PRINZ and JOHN SEIM, "Thermal Behavior of a Metal Embedded Fiber Bragg Grating Sensor," <i>Institute of Physics Publishing, Smart Materials and Structures</i> 10, pp. 575-579 (2001).		
	CD	JAEHOON JUNG, HUI NAM, BYOUNGHO LEE, JAE OH BYUN and NAM SEONG KIM, "Fiber Bragg Grating Temperature Sensor with Controllable Sensitivity," <i>Applied Optics</i> , Vol. 38, No. 13, pp.2752-2754 (May 1, 1999).		
	CE	SUNG CHUL KANG, SE YOON KIM, SANG BAE LEE, SEO WON KWON, SANG SAM CHOI and BYOUNGHO LEE, "Temperature-Independent Strain Sensor System Using a Tilted Fiber Bragg Grating Demodulator," <i>IEEE Photonics Technology Letters</i> , Vol. 10, No. 10, pp. 1461-1463 (October 1998).		
	CF	ROGERIO M. CAZO, CARMEN L. BARBOSA, HAROLDO T. HATTORI, RENATO C. RABELO, OSNI LISBOA and JORGE L.S. FERREIRA, "Fiber Bragg Grating Temperature Sensor," <i>Optics (Optic Guides and Staple Fibres)</i> , Coordinator: Carlos Monken, Location Unknown, (May 17, 2001).		

Examiner Signature		Date Considered:	
--------------------	--	------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a checkmark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.